

Sequence Listing

<110> Ashkenazi, Avi J.
Baker, Kevin
Gurney, Austin
Wood, William

<120> Apo-2DcR

<130> P1110

<140> US 08/878,168

<141> 1997-06-18

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<212> PRT

<213> Homo sapiens

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Met	Ala	Arg	Ile	Pro	Lys	Thr	Leu	Lys	Phe	Val	Val	Val	Ile	Val
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Ala	Val	Leu	Leu	Pro	Val	Leu	Ala	Tyr	Ser	Ala	Thr	Thr	Ala	Arg
				20					25					30

Gln	Glu	Glu	Val	Pro	Gln	Gln	Thr	Val	Ala	Pro	Gln	Gln	Gln	Arg
				35					40					45

His	Ser	Phe	Lys	Gly	Glu	Glu	Cys	Pro	Ala	Gly	Ser	His	Arg	Ser
				50					55					60

Glu	His	Thr	Gly	Ala	Cys	Asn	Pro	Cys	Thr	Glu	Gly	Val	Asp	Tyr
				65					70					75

Thr	Asn	Ala	Ser	Asn	Asn	Glu	Pro	Ser	Cys	Phe	Pro	Cys	Thr	Val
				80					85					90

Cys	Lys	Ser	Asp	Gln	Lys	His	Lys	Ser	Ser	Cys	Thr	Met	Thr	Arg
				95					100					105

Asp	Thr	Val	Cys	Gln	Cys	Lys	Glu	Gly	Thr	Phe	Arg	Asn	Glu	Asn
				110					115					120

Ser	Pro	Glu	Met	Cys	Arg	Lys	Cys	Ser	Arg	Cys	Pro	Ser	Gly	Glu
				125					130					135

Val	Gln	Val	Ser	Asn	Cys	Thr	Ser	Trp	Asp	Asp	Ile	Gln	Cys	Val
				140					145					150

Glu	Glu	Phe	Gly	Ala	Asn	Ala	Thr	Val	Glu	Thr	Pro	Ala	Ala	Glu
				155					160					165
Glu	Thr	Met	Asn	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu
				170					175					180
Glu	Thr	Met	Asn	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu
				185					190					195
Glu	Thr	Met	Thr	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu
				200					205					210
Glu	Thr	Met	Thr	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu
				215					220					225
Glu	Thr	Met	Thr	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Ser	Ser	His	Tyr
				230					235					240
Leu	Ser	Cys	Thr	Ile	Val	Gly	Ile	Ile	Val	Leu	Ile	Val	Leu	Leu
				245					250					255
Ile	Val	Phe	Val											
				259										

<210> 2
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<220>
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 cgttagggaa ctctggggac agagcgcccc ggccgcctga tggccgaggc 150
 aggggtgcgac ccaggaccca ggacggcgtc gggaaccata cc atg 195
 Met
 1

gcc cgg atc ccc aag acc cta aag ttc gtc gtc gtc atc 234
 Ala Arg Ile Pro Lys Thr Leu Lys Phe Val Val Val Ile
 5 10

gtc gcg gtc ctg ctg cca gtc cta gct tac tct gcc acc 273

Val 15	Ala	Val	Leu	Leu	Pro 20	Val	Leu	Ala	Tyr	Ser	Ala	Thr	
act	gcc	cgg	cag	gag	gaa	gtt	ccc	cag	cag	aca	gtg	gcc	312
Thr	Ala	Arg	Gln	Glu	Glu	Val	Pro	Gln	Gln	Thr	Val	Ala	
		30					35					40	
cca	cag	caa	cag	agg	cac	agc	ttc	aag	ggg	gag	gag	tgt	351
Pro	Gln	Gln	Gln	Arg	His	Ser	Phe	Lys	Gly	Glu	Glu	Cys	
				45					50				
cca	gca	gga	tct	cat	aga	tca	gaa	cat	act	gga	gcc	tgt	390
Pro	Ala	Gly	Ser	His	Arg	Ser	Glu	His	Thr	Gly	Ala	Cys	
	55					60					65		
aac	ccg	tgc	aca	gag	ggc	gtg	gat	tac	acc	aac	gct	tcc	429
Asn	Pro	Cys	Thr	Glu	Gly	Val	Asp	Tyr	Thr	Asn	Ala	Ser	
			70					75					
aac	aat	gaa	cct	tct	tgc	ttc	cca	tgt	aca	gtt	tgt	aaa	468
Asn	Asn	Glu	Pro	Ser	Cys	Phe	Pro	Cys	Thr	Val	Cys	Lys	
	80				85					90			
tca	gat	caa	aaa	cat	aaa	agt	tcc	tgc	acc	atg	acc	aga	507
Ser	Asp	Gln	Lys	His	Lys	Ser	Ser	Cys	Thr	Met	Thr	Arg	
		95					100					105	
gac	aca	gtg	tgt	cag	tgt	aaa	gaa	ggc	acc	ttc	cgg	aat	546
Asp	Thr	Val	Cys	Gln	Cys	Lys	Glu	Gly	Thr	Phe	Arg	Asn	
				110					115				
gaa	aac	tcc	cca	gag	atg	tgc	cgg	aag	tgt	agc	agg	tgc	585
Glu	Asn	Ser	Pro	Glu	Met	Cys	Arg	Lys	Cys	Ser	Arg	Cys	
	120					125					130		
cct	agt	ggg	gaa	gtc	caa	gtc	agt	aat	tgt	acg	tcc	tgg	624
Pro	Ser	Gly	Glu	Val	Gln	Val	Ser	Asn	Cys	Thr	Ser	Trp	
			135					140					
gat	gat	atc	cag	tgt	gtt	gaa	gaa	ttt	ggc	gcc	aat	gcc	663
Asp	Asp	Ile	Gln	Cys	Val	Glu	Glu	Phe	Gly	Ala	Asn	Ala	
	145				150					155			
act	gtg	gaa	acc	cca	gct	gct	gaa	gag	aca	atg	aac	acc	702
Thr	Val	Glu	Thr	Pro	Ala	Ala	Glu	Glu	Thr	Met	Asn	Thr	
		160					165					170	
agc	ccg	ggg	act	cct	gcc	cca	gct	gct	gaa	gag	aca	atg	741
Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu	Glu	Thr	Met	
				175					180				

Val	Leu	Ala	Tyr	Ser	Ala	Thr	Thr	Ala	Arg	Gln	Glu	Glu	Val	Pro	65	70	75
Gln	Gln	Thr	Val	Ala	Pro	Gln	Gln	Gln	Arg	His	Ser	Phe	Lys	Gly	80	85	90
Glu	Glu	Cys	Pro	Ala	Gly	Ser	His	Arg	Ser	Glu	His	Thr	Gly	Ala	95	100	105
Cys	Asn	Pro	Cys	Thr	Glu	Gly	Val	Asp	Tyr	Thr	Asn	Ala	Ser	Asn	110	115	120
Asn	Glu	Pro	Ser	Cys	Phe	Pro	Cys	Thr	Val	Cys	Lys	Ser	Asp	Gln	125	130	135
Lys	His	Lys	Ser	Ser	Cys	Thr	Met	Thr	Arg	Asp	Thr	Val	Cys	Gln	140	145	150
Cys	Lys	Glu	Gly	Thr	Phe	Arg	Asn	Glu	Asn	Ser	Pro	Glu	Met	Cys	155	160	165
Arg	Lys	Cys	Ser	Arg	Cys	Pro	Ser	Gly	Glu	Val	Gln	Val	Ser	Asn	170	175	180
Cys	Thr	Ser	Trp	Asp	Asp	Ile	Gln	Cys	Val	Glu	Glu	Phe	Gly	Ala	185	190	195
Asn	Ala	Thr	Val	Glu	Thr	Pro	Ala	Ala	Glu	Glu	Thr	Met	Asn	Thr	200	205	210
Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu	Glu	Thr	Met	Asn	Thr	215	220	225
Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu	Glu	Thr	Met	Thr	Thr	230	235	240
Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu	Glu	Thr	Met	Thr	Thr	245	250	255
Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu	Glu	Thr	Met	Thr	Thr	260	265	270
Ser	Pro	Gly	Thr	Pro	Ala	Ser	Ser	His	Tyr	Leu	Ser	Cys	Thr	Ile	275	280	285
Val	Gly	Ile	Ile	Val	Leu	Ile	Val	Leu	Leu	Ile	Val	Phe	Val		290	295	299

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<212> DNA
<213> Homo sapiens

<220>
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<222> (73) . . . (969)
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-40 -35

cgc ttc cta ccg tta ggg aac tct ggg gac aga gcg ccc 129
Arg Phe Leu Pro Leu Gly Asn Ser Gly Asp Arg Ala Pro
-30 -25

cgg ccg cct gat ggc cga ggc agg gtg cga ccc agg acc 168
Arg Pro Pro Asp Gly Arg Gly Arg Val Arg Pro Arg Thr
-20 -15 -10

cag gac ggc gtc ggg aac cat acc atg gcc cgg atc ccc 207
Gln Asp Gly Val Gly Asn His Thr Met Ala Arg Ile Pro
-5 1 5

aag acc cta aag ttc gtc gtc gtc atc gtc gcg gtc ctg 246
Lys Thr Leu Lys Phe Val Val Val Ile Val Ala Val Leu
10 15

ctg cca gtc cta gct tac tct gcc acc act gcc cgg cag 285
Leu Pro Val Leu Ala Tyr Ser Ala Thr Thr Ala Arg Gln
20 25 30

gag gaa gtt ccc cag cag aca gtg gcc cca cag caa cag 324
Glu Glu Val Pro Gln Gln Thr Val Ala Pro Gln Gln Gln
35 40

agg cac agc ttc aag ggg gag gag tgt cca gca gga tct 363
Arg His Ser Phe Lys Gly Glu Glu Cys Pro Ala Gly Ser
45 50 55

cat aga tca gaa cat act gga gcc tgt aac ccg tgc aca 402
His Arg Ser Glu His Thr Gly Ala Cys Asn Pro Cys Thr
60 65 70

gag ggt gtg gat tac acc aac gct tcc aac aat gaa cct 441
 Glu Gly Val Asp Tyr Thr Asn Ala Ser Asn Asn Glu Pro
 75 80

tct tgc ttc cca tgt aca gtt tgt aaa tca gat caa aaa 480
 Ser Cys Phe Pro Cys Thr Val Cys Lys Ser Asp Gln Lys
 85 90 95

cat aaa agt tcc tgc acc atg acc aga gac aca gtg tgt 519
 His Lys Ser Ser Cys Thr Met Thr Arg Asp Thr Val Cys
 100 105

cag tgt aaa gaa ggc acc ttc cgg aat gaa aac tcc cca 558
 Gln Cys Lys Glu Gly Thr Phe Arg Asn Glu Asn Ser Pro
 110 115 120

gag atg tgc cgg aag tgt agc agg tgc cct agt ggg gaa 597
 Glu Met Cys Arg Lys Cys Ser Arg Cys Pro Ser Gly Glu
 125 130 135

gtc caa gtc agt aat tgt acg tcc tgg gat gat atc cag 636
 Val Gln Val Ser Asn Cys Thr Ser Trp Asp Asp Ile Gln
 140 145

tgt gtt gaa gaa ttt ggt gcc aat gcc act gtg gaa acc 675
 Cys Val Glu Glu Phe Gly Ala Asn Ala Thr Val Glu Thr
 150 155 160

cca gct gct gaa gag aca atg aac acc agc ccg ggg act 714
 Pro Ala Ala Glu Glu Thr Met Asn Thr Ser Pro Gly Thr
 165 170

cct gcc cca gct gct gaa gag aca atg aac acc agc cca 753
 Pro Ala Pro Ala Ala Glu Glu Thr Met Asn Thr Ser Pro
 175 180 185

ggg act cct gcc cca gct gct gaa gag aca atg acc acc 792
 Gly Thr Pro Ala Pro Ala Ala Glu Glu Thr Met Thr Thr
 190 195 200

agc ccg ggg act cct gcc cca gct gct gaa gag aca atg 831
 Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu Thr Met
 205 210

acc acc agc ccg ggg act cct gcc cca gct gct gaa gag 870
 Thr Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu
 215 220 225

aca atg acc acc agc ccg ggg act cct gcc tct tct cat 909
 Thr Met Thr Thr Ser Pro Gly Thr Pro Ala Ser Ser His

235

gtg ctt ctg att gtg ttt gtt t gaaagacttc actgtggaag 990
Val Leu Leu Ile Val Phe Val
255 259

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1180

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<213> Yeast

caggaaacag ctatgaccac ctgcacacct gcaaattccat t 41

<213> Homo sapiens

Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His
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Leu Arg His Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu Met Gly
20 25 30

Gln Val Glu Ile Ser Ser Cys Thr Val Asp Arg Asp Thr Val Cys
35 40 45

Gly Cys Arg Lys
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 <213> Homo sapiens

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 Asn Glu Pro Ser Cys Phe Pro Cys Thr Val Cys Lys Ser Asp Gln
 20 25 30
 Lys His Lys Ser Ser Cys Thr Met Thr Arg Asp Thr Val Cys Gln
 35 40 45
 Cys Lys Glu
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<210> 9
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 gctaaagctg aggcagcggg 70

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<220>
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 gcgcccacaa aatacaccga cgatgcccga tctactttaa gggctgaaac 100
 ccacgggcct gagagactat aagagcgttc cctaccgcca tggaacaacg 150

gggacagaac gccccggccg cttcgggggc ccggaaaagg cacggcccag 200
 gaccagggga ggcgcgggga gccaggcctg ggctccgggt cccaagacc 250
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 tctgatcacc caacaagacc tagctcccca gcagagagcg gcccacaac 350
 aaaagaggtc cagccctca gagggtattgt gtccacctgg acaccatatac 400
 tcagaagacg gtagagattg catctcctgc aaatatggac aggactatag 450
 cactcactgg aatgacctcc ttttctgctt gcgctgcacc aggtgtgatt 500
 caggtgaagt ggagctaagt cctgcacca cgaccagaaa cacagtgtgt 550
 cagtgcgaag aaggcacctt ccgggaagaa gattctcctg agatgtgccg 600
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 cctttgactc ctgggagccg ctcatgagga agttgggcct catggacaat 1150
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 aagattgagg accacttggt gagctctgga aagttcatgt atctagaagg 1350
 taatgcagac tctgccwtgt cctaagtgtg attctcttca ggaagtgaga 1400
 ccttcctggt tttacctttt ttctggaaaa agcccaactg gactccagtc 1450


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Asp His Leu Leu Ser Ser Gly Lys Phe Met Tyr Leu Glu Gly Asn
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Ala Asp Ser Ala Xaa Ser
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<210> 13
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<400> 13
aggatgggaa gtgtgtgata tacccttgat 30

<210> 14
<211> 418
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20          25          30

Glu Ala Ser Pro Arg Leu Arg Val His Lys Thr Phe Lys Phe Val
35          40          45

Val Val Gly Val Leu Leu Gln Val Val Pro Ser Ser Ala Ala Thr
50          55          60

Ile Lys Leu His Asp Gln Ser Ile Gly Thr Gln Gln Trp Glu His
65          70          75

Ser Pro Leu Gly Glu Leu Cys Pro Pro Gly Ser His Arg Ser Glu
80          85          90

Arg Pro Gly Ala Cys Asn Arg Cys Thr Glu Gly Val Gly Tyr Thr
95          100         105

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Met Leu Met Lys Trp Val Asn Lys Thr Gly Arg Asn Ala Ser Ile
365 370 375

His Thr Leu Leu Asp Ala Leu Glu Arg Met Glu Glu Arg His Ala
380 385 390

Lys Glu Lys Ile Gln Asp Leu Leu Val Asp Ser Gly Lys Phe Ile
395 400 405

Tyr Leu Glu Asp Gly Thr Gly Ser Ala Val Ser Leu Glu
410 415 418

<210> 15

<211> 74

<212> PRT

<213> Homo sapiens

<400> 15

Val Met Asp Ala Val Pro Ala Arg Arg Trp Lys Glu Phe Val Arg
1 5 10 15

Thr Leu Gly Leu Arg Glu Ala Glu Ile Glu Ala Val Glu Val Glu
20 25 30

Ile Gly Arg Phe Arg Asp Gln Gln Tyr Glu Met Leu Lys Arg Trp
35 40 45

Arg Gln Gln Gln Pro Ala Gly Leu Gly Ala Val Tyr Ala Ala Leu
50 55 60

Glu Arg Met Gly Leu Asp Gly Cys Val Glu Asp Leu Arg Ser
65 70 74

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<212> PRT

<213> Homo sapiens

<400> 16

Val Val Glu Asn Val Pro Pro Leu Arg Trp Lys Glu Phe Val Arg
1 5 10 15

Arg Leu Gly Leu Ser Asp His Glu Ile Asp Arg Leu Glu Leu Gln
20 25 30

Asn Gly Arg Cys Leu Arg Glu Ala Gln Tyr Ser Met Leu Ala Thr
35 40 45

Trp Arg Arg Arg Thr Pro Arg Arg Glu Ala Thr Leu Glu Leu Leu
50 55 60

Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly Cys Leu Glu Asp
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Ile Glu Glu
78

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Ile Ala Gly Val His Thr Leu Ser Gln Val Lys Gly Phe Val Arg
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Lys Asn Gly Val Asn Glu Ala Lys Ile Asp Glu Ile Lys Asn Asp
20 25 30

Asn Val Gln Asp Thr Ala Glu Gln Lys Val Gln Leu Leu Arg Asn
35 40 45

Trp His Gln Leu His Gly Lys Lys Glu Ala Tyr Asp Thr Leu Ile
50 55 60

Lys Asp Leu Lys Lys Ala Asn Leu Cys Thr Leu Ala Glu Lys Ile
65 70 75

Gln Thr
77